	Application No.	Applicant(s)
Notice of Allowability	09/916,453	GREEN ET AL.
	Examiner	Art Unit	
	Fred I. Ehichioya	2162	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *interview summary of November 30, 2005*.

2. ☒ The allowed claim(s) is/are *1 - 9 and 11 - 21 (renumbered 1 - 20)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

         1. ☐ Certified copies of the priority documents have been received.

         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

         1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

     Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

SHAHID ALAM
PRIMARY EXAMINER

DETAILED ACTION

Examiner's Amendment

1.   During telephone conversation with John J. Ignatowski, Attorney for the

Applicants, Registration Number 36,555 on December 6, 2005 authorizations for this

Examiner's amendment was given in a telephone interview.

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims,

Please amend the followings:

1.   (CURRENTLY AMENDED) A method of generating a file, the method comprising

the steps of:

(A)   generating a programming item from a plurality of parameters that define a

program for ~~customizing~~ a programmable logic device~~, said programmable logic device~~

~~being configured by a customer using said programming item after manufacturing has~~

~~been completed~~;

(B)   storing said programming item in a programming field of said file suitable

for programming said programmable logic device; ~~and~~

(C)   storing at least one of said parameters ~~for customizing said programmable~~

~~logic~~ device in a non-programming field of said file;

(D)   generating an error detection item;

(E)   storing said error detection item in a second non-programming field of said

file;

(F)   storing another of said parameters in a third non-programming field of said

file;

(G)   storing an identification item in a fourth non-programming field of said file;

and

(H)   bracketing a combination of said non-programming field, said second

non-programming field, said third non-programming field, and said fourth

non-programming field with a pair of delimiters.

3.   (CURRENTLY AMENDED) The method according to claim 1, further comprising

the step of second storing one of said parameters used for generating said

programming item in a ~~second~~ fifth non-programming field of said file.

4.   (CURRENTLY AMENDED) The method according to claim 3, wherein said

second storing comprises storing a frequency parameter in said ~~second~~ fifth

non-programming field.

5.   (CURRENTLY AMENDED) The method according to claim 1, further comprising

the steps of:

 generating an error detection item; and

 storing said error detection item in a ~~second~~ fifth on-programming field of said

file.

8.   (CURRENTLY AMENDED) The method according to claim 1, further comprising

the step of storing an identification item configured to identify said programmable logic

device in a ~~second~~ fifth non-programming field of said .file.

 Please cancel claim 10.

11.   (CURRENTLY AMENDED) A storage medium comprising a medium and a computer

program for use in a computer to generate   a file, the medium distributing the computer

program that is readable and executable by the computer, the computer program

including the steps of:

 (A) generating a programming item from a plurality of parameters that define a

program for ~~customizing~~ a programmable logic device~~, said programmable logic device~~

~~being configured by a customer using said programming item after manufacturing has~~

~~been completed~~;

 (B) storing said programming item in a programming field of said file suitable for

programming

said programmable logic device; ~~and~~

    (C)   storing at least one of said parameters ~~for customizing said programmable logic~~ in a non-programming field of said file~~;~~

    <u>(D)   generating an error detection item;</u>

    <u>(E)   storing said error detection item in a second non-programming field of said file;</u>

    <u>(F)   storing another of said parameters in a third non-programming field of said file;</u>

    <u>(G)   storing an identification item in a fourth non-programming field of said file; and</u>

    <u>(H) bracketing a combination of said non-programming field, said second non-programming field, said third non-programming field, and said fourth non-programming field with a pair of delimiters.</u>

13. (CURRENTLY AMENDED) The storage medium according to claim 11, wherein said computer program further comprises the step of second storing one of said parameters used for generating said programming item in a ~~second~~ <u>fifth</u> non-programming field of said file.

14. (CURRENTLY AMENDED) The storage medium according to claim 13, wherein said second storing comprises storing a frequency parameter in said ~~second~~ <u>fifth</u> non-programming field.

15.   (CURRENTLY AMENDED) The storage medium according to claim 11,

wherein said computer program further comprises the steps of:

generating an error detection item; and

storing said error detection item in a ~~second~~ fifth non-programming field of said

file.

17.   (CURRENTLY AMENDED) The storage medium according to claim 16,

wherein ~~said non-programming field is disposed in a first portion of said file, said~~

~~programming item is disposed in a section portion of said file and~~ said cyclic

redundancy check checksum is ~~disposed in a third portion of said file~~ configured to

detect a bit swap within said file.

18. (CURRENTLY AMENDED) The storage medium according to claim 11,

wherein said computer program further comprises the step of storing an identification

item configured to identify said programmable logic device in a ~~second~~ fifth

non-programming field of said file.

20.   (CURRENTLY AMENDED) A system comprising:

means for generating a programming item from a plurality of parameters that

define a program for ~~customizing~~ a programmable logic device~~, said programmable~~

~~logic device being configured by a customer using said programming item after~~

~~manufacturing has been completed~~;

means for storing said programming item in a programming field of a file suitable for

programming said programmable logic device; ~~and~~

means for storing at least one of said parameters ~~used for generating said~~

~~programming item~~ in a non-programming field of said file<u>;</u>

<u>means for generating an error detection item;</u>

<u>means for storing said error detection item in a second non-programming field of</u>

<u>said file;</u>

<u>means for storing another of said parameters in a third non-programming field of</u>

<u>said file;</u>

<u>means for storing an identificationitem in a fourth non-programming field of said</u>

<u>file; and</u>

<u>means for bracketing a combination of said non-programming field, said second</u>

<u>non-programming field, said third non-programming field, and said fourth</u>

<u>non-programming field with a pair of delimiters.</u>

Allowable Subject Matter

2.   Claims 1 – 9, and 11 - 21 (renumbered 1 – 20) are allowed over

the prior art of record.

3.   The following is an examiner's statement of reasons for allowance:

The prior art of record, either singularly or in combination, fail to anticipate or render

obvious the recited feature "storing at least one of said parameters device in a

non-programming field of said file; generating an error detection item; storing said error

detection item in a second non-programming field of said file; storing another of said

parameters in a third on-programming field of said file; storing an identification item in

a fourth non-programming field of said file; and bracketing a combination of said

non-programming field, said second non-programming field, said third

non-programming field, and said fourth non-programming field with a pair of delimiters",

as recited in the independent claims.

        The dependent claims, being definite, further limiting, and fully enabled by the

specification are also allowed.

4.   Any comments considered necessary by applicant must be submitted no

later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reasons for Allowance."

Conclusion

5.   Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Fred I. Ehichioya whose telephone number is 571-

272-4034. The examiner can normally be reached on M - F 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John E. Breene can be reached on 571-272-4107. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Fred I. Ehichioya
Patent Examiner
Art Unit 2162

December 9, 2005

SHAHID ALAM
PRIMARY EXAMINER